

AMENDMENTS TO THE CLAIMS

In the claims:

Claims 1 to 10 (Canceled).

11. **(Currently Amended)** A method of inserting an exogenous nucleic acid into the genome of a ~~non-human and non-Drosophilidae animal~~ rodent, said method comprising:

introducing into said ~~animal~~ rodent a P-element derived vector under conditions sufficient for transposition to occur, wherein said vector comprises a pair of P-element transposase recognized insertion sequences flanking a single transcriptionally active gene that comprises said exogenous nucleic acid;

to insert said exogenous nucleic acid ~~is inserted~~ into said genome.

Claim 12 **(Canceled)**.

13. **(Previously Presented)** The method according to Claim 11, wherein said vector comprises a transposase domain.

14. **(Currently Amended)** The method according to Claim 11, wherein said method further comprises introducing a second vector comprising a transposase domain into said ~~animal~~ rodent.

15. **(Previously Presented)** The method according to Claim 11, wherein said exogenous nucleic acid ranges in length from about 50 to 150,000 bp.

Claims 16 and 17 (**Canceled**).

18. (**Currently Amended**) The method according to Claim ~~17~~ 11, wherein said ~~mammalian animal is a~~ rodent is a mouse.

Claims 19 to 26. (**Canceled**)

27. (**Currently Amended**) A ~~non-human and non-Drosophilidae animal~~ rodent or cells derived from said ~~animal~~ rodent that has a pair of P element transposase recognized insertion sequences integrated into the genome.

Claims 28 and 29 (**Canceled**).

30. (**Currently Amended**) The ~~animal~~ rodent or cells according to Claim ~~29~~ 27, wherein said ~~animal is a~~ rodent is a mouse or said cells are ~~rodent~~ mouse cells.

31. (**Currently Amended**) A ~~non-human and non-Drosophilidae animal~~ rodent or cells derived from said ~~animal~~ rodent that have a pair of P element transposase recognized 31bp insertion sequences integrated into the genome.

Claims 32 and 33 (**Canceled**).

34. (**Currently Amended**) The ~~animal~~ rodent or cells according to Claim ~~33~~ 31, wherein said ~~animal is a~~ rodent is a mouse or said cells are ~~rodent~~ mouse cells.

Claims 35 to 41 (**Canceled**).